

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/535,545
Source: IFWP
Date Processed by STIC: 6/14/06

ENTERED



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,545

DATE: 06/14/2006
TIME: 10:32:40

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\06142006\J535545.raw

3 <110> APPLICANT: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES
 4 (S.C.R.A.S.)
 6 <120> TITLE OF INVENTION: Process for preparing recombinant heterocarpine
 8 <130> FILE REFERENCE: RS 331 PCT
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/535,545
 C--> 10 <141> CURRENT FILING DATE: 2005-05-18
 10 <150> PRIOR APPLICATION NUMBER: FR 02/15563
 11 <151> PRIOR FILING DATE: 2002-12-10
 13 <160> NUMBER OF SEQ ID NOS: 14
 15 <170> SOFTWARE: PatentIn version 3.1
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 18 <211> LENGTH: 10
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Pilocarpus Heterophyllus (peptide fragment)
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 29 <211> LENGTH: 14
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Pilocarpus Heterophyllus (peptide fragment)
 33 <400> SEQUENCE: 2
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 36 1 5 10
 39 <210> SEQ ID NO: 3
 40 <211> LENGTH: 6
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Pilocarpus Heterophyllus (peptide fragment)
 44 <400> SEQUENCE: 3
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 47 1 5
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 51 <211> LENGTH: 41
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Primer for 5' specific cDNA products
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 62 <210> SEQ ID NO: 5
 63 <211> LENGTH: 38
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial Sequence

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67 <220> FEATURE:

68 <223> OTHER INFORMATION: Primer for 3' specific cDNA products

70 <400> SEQUENCE: 5

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38

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75 <211> LENGTH: 1675

76 <212> TYPE: DNA

77 <213> ORGANISM: Pilocarpus Heterophyllus (5' cDNA fragment of the cDNA encoding for

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85 tcttaggaatg	gtgttcttca	tttattcctt	ttcggtctt	catggcttct	gttggcggt	180
87 ctccatgcta	actcaagttc	ggatgagaga	tcaacatata	tagttcatat	ggacaagacc	240
89 catatgccc	aaaccttctc	tagccccac	cattggtaact	tttcgggtcg	tcgatccctc	300
91 aagtctacaa	agccaaaccaa	attaaatcgc	cgtcgatcct	caccacttct	tgtatactct	360
93 tacgacaatg	ctgctcatgg	tttcagtgc	gttttatctc	aacaggaact	tgaaactcta	420
95 aaaaagtctc	caggttcgt	ctcagtttat	gccgataaga	cagcgacact	tgacaccacc	480
97 catatcctg	aattttctc	cctgaatact	gccaacgggt	tgtggcctgc	ttcaagttat	540
99 ggtgaagata	taatttttgg	tgttatttgc	agcggtgtct	ggccggagag	tgaagttat	600
101 aatgtatgtat	gtatggcgc	tatttcaacgc	agatggaaagg	gagaatgtga	agctggacaa	660
103 gagttcaatt	cctccatgtg	caaactcaaa	cttattggag	ctagatattt	cgataagggt	720
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109 ggttatgcta	aaggtaacgc	aaaaggagtg	gcaccacggg	cgagagtggc	tatgtacaag	900
111 gtcatttttg	acgaaggcgc	ctatgcatct	gatgttctt	ccggatgga	cgccgctatt	960
113 gctgatgggt	ttgatgtat	ttcaatatca	atgggattt	atgagacccc	gttgtatgaa	1020
115 gatcctatag	caattgcctc	attcgctgt	acagagaagg	gcgttagtgg	ctcatcttca	1080
117 gcagggaaatg	caggccagc	gttagggagc	ttgcacaatg	aatcccatg	gacgttaact	1140
119 gttcagctg	gaaccattga	ccgttcattt	gcaggcacta	taactcttg	gagtggggaa	1200
121 accatcattt	gatggacaat	gttcccagcc	agtgttatt	tagcagactt	gccactgctt	1260
123 tataacaaga	cttactctgc	atgcaactca	actcgattat	tatctcaact	ccgaactgac	1320
125 gccatcatcg	tatgcgaaga	agctgaagat	tcgttatct	agcaaata	tgttgcagt	1380
127 gcatcgaaca	ttcggggagc	catattttt	tcagattat	atgctgaatt	atttgaactt	1440
129 ggtgggtgt	ctatttctgg	ttgcgtgatt	agcaccagg	atgcaccggc	tgtatcagc	1500
131 tacgcccagca	atgatgtgaa	acctaaggca	agcatcaat	tccaaacaac	tgttctggc	1560
133 acaaaggcct	caccagccgt	ggcttctat	acttcttag	gtccgtcacc	gagctatcca	1620
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138 <210> SEQ ID NO: 7

139 <211> LENGTH: 1689

140 <212> TYPE: DNA

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149 ctagtggtc	tcatcttcag	cagggaaatgc	agggccagcg	ctagggagct	tgccacaatgg	180
151 aatcccatgg	acgttaactg	ttgcgttgg	aaccattgac	cgttcattt	caggcactat	240
153 aactcttgg	agtggggaaa	ccatcattgg	atggacaat	ttcccagcc	gtgcttatgt	300

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159	gcaaataatct	gttgcagtg	catcgAACAT	tcggggagcc	atatttgg	cagattatga	480
161	tgctgaatta	tttgcacttg	gtgggtgtac	tattcctgg	gtcgtgatta	gcaccaagga	540
163	tgcaccggct	gtgatcagct	acgcccagcaa	tgatgtgaaa	cctaaggcaa	gcatcaagtt	600
165	ccaaacaaact	gttctgggca	caaaggcctgc	accagccgtg	gctttctata	cttctagagg	660
167	tcctgtcaccg	agctatccag	gcgttcttAA	gcctagatata	atggccctg	ggtcactagt	720
169	tttgctgct	tggatccaa	atactyctac	agcccaaatt	ggtttgaata	ccctcttgac	780
171	aagtgaatac	aatatggttt	ctggaacatc	aatggcctgc	cctcatgctg	ctgggttagc	840
173	tgctctcctt	aaggggcgcac	accctgaatg	gagtcagct	gctatttagt	ctgcaatgat	900
175	gactacagca	aatcccttgg	ataacacact	aaatccaatc	cgggacaatg	gtctaatacaa	960
177	tttcacatct	gcttcacctt	tagctatggg	agccggccaa	gttgcaccta	atcgggact	1020
179	tgatcctggt	ttgattttatg	aaaccacccc	acaagattat	gtgacccctc	tctgcactct	1080
181	gaacttcacc	caaaacccaa	tcctgtccat	tacaagatca	aaccgttaca	gctgtccac	1140
183	ccctaattcc	gatcttaact	atccttcttt	tattactta	cactacaaca	caaattgcaac	1200
185	atttggtcag	acttttcaca	ggactgtgac	taacgttgg	ggaagcgcta	caacttacaa	1260
187	ggccaagatc	actgctcctc	tagttctgt	agttgtgtc	tcaccagaca	cattggcctt	1320
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216	ctccatgcta	actcaaggttc	ggatgagaga	tcaacatata	tagttcatat	ggacaagacc	240
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222	tacgacaatg	ctgctcatgg	tttcagtgtca	gttttatctc	aacaggaact	tgaaactcta	420
224	aaaaagtctc	caggttctgt	ctcagtttat	gccgataaga	cagcgacact	tgacaccacc	480
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230	aatatgtatg	gtatggggc	tattccaagc	agatggaaagg	gagaatgtga	agctggacaa	660
232	gagttcaatt	cctccatgt	caactcaaag	tttattggag	ctagatattt	cgataagggt	720
234	atcattgcgg	caaattctgg	gattaacatt	agcatgaaat	ctgcccggaga	tactatgggg	780
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242	gctgtatgggt	ttgtatgtat	ttcaatatac	atgggatttg	atgagacccc	gttgtatgaa	1020
244	gatcctatag	caattgcctc	atcgctgt	acagagaagg	gcgtatgggt	ctcatctca	1080
246	gcagggaaatg	cagggccagc	gctaggagc	ttgcacaatg	gaatccatg	gacgttaact	1140
248	gttgcagctg	gaaccattga	ccgttcat	gcaggcacta	taactcttgg	gagtggggaa	1200

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254	gccccatcg	tatgcgaaga	agctgaagat	tcggtatctg	agcaaataatc	tgttgtcagt	1380
256	gcatcgaaca	ttcggggagc	cataattttt	tcagattatg	atgctgaattt	atttgaactt	1440
258	gggggtgtga	ctattcctgg	tgtcgtgatt	agcaccaagg	atgcaccggc	tgtgatcagc	1500
260	tacggccagca	atgatgtgaa	acctaaggca	agcatcaagt	tccaaacaaac	tgttctggc	1560
262	aaaaaaggttg	caccagccgt	ggctttctat	acttcttagag	gtccgtcacc	gacgtatcca	1620
264	ggcatcttaa	agccagatat	aatggcccct	gggtcaactag	tttttgcgtc	ttggattcc	1680
266	aatactgcta	cagcccaaatt	tggttgaat	accctcttga	caagtgaata	caatatggtt	1740
268	tctggAACAT	caatggcctg	ccctcatgt	gctgggttag	ctgctctcct	taagggcgca	1800
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318	accaccata	cacctgaatt	tcttcctcg	aataactgca	acgggttgc	gcctgctca	420
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385 <210> SEQ ID NO: 10

386 <211> LENGTH: 774

387 <212> TYPE: PRT

388 <213> ORGANISM: Pilocarpus Heterophyllus (heterocarpine)

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401					35			40						45		
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420	Ala	Asp	Lys	Thr	Ala	Thr	Leu	Asp	Thr	Thr	His	Thr	Pro	Glu	Phe	Leu
421					115			120						125		
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432	Ser	Tyr	Asn	Asp	Asp	Gly	Met	Gly	Ala	Ile	Pro	Ser	Arg	Trp	Lys	Gly
433						165								170		175
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VERIFICATION SUMMARY

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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